



Field Oversight Report

USEPA Oversight, Sauget Area 1, Sauget, IL

WA No. 026-RSBD-054V / Contract No. EP-S5-06-01

Period ending Friday, May 16, 2008

This report summarizes the Liner Installation activities conducted by the Sauget Area 1 (SA1) Potentially Responsible Parties (PRPs) and their contractors between April 23 and May 16, 2008 in Dead Creek Sector B, part of the SA1 sites. CH2M HILL provided field oversight on three days during this period. Prior to this period work had been on hold at the site since February 8 due to weather site conditions.

Contractors Onsite

Contractors for the SA1 PRPs onsite during the week include:

- Richard Williams and Associates (consultant/project manager)
- URS (consultant/construction manager)
- Pangea Group (construction subcontractor)

Work Performed During the Reporting Period

The section of CS-B that is being lined is approximately 2,000 feet in length and will be denoted throughout liner construction from station 100+00 (south end of CS-B at Judith Lane) to station 119+60 (north end of CS-B at Queeny Avenue). Each station represents approximately 100 feet. These oversight reports will refer to specific areas of CS-B during construction by the station.

Site Mobilization and Preparation

On April 23 Pangea mobilized back to CS-B and began cleanup activities so that work could continue. These site activities include stormwater dewatering and mobilization of general equipment.

Installation of Rip Rap

During this reporting period, riprap was placed to 104+00 along the west side of the CS-B and to 105+50 on the east side of CS-B per the liner design. Because of the stormwater in the rip rap was only placed on the top half of the slopes on the east side between 109+00 and 105+50. The remainder of the rip rap in that section will be placed when the stormwater is gone.

Groundwater Infiltration into CS-B

During the week of May 5 groundwater was observed to be seeping into the unlined portion of CS-B. Signs of localized slumping and sand boils were observed in the toe of the east slope. After this was observed dewatering pumps were shut off and the outlet culvert at Judith Lane was plugged. A berm was constructed upstream of the unlined portion of CS-B so that stormwater could be collected and pumped downstream of CS-B.

The groundwater seeping into CS-B is to be collected and treated, however, the groundwater treatment plant on site does not have the capacity to treat the volume of groundwater. A water treatment plant from *Rain For Rent* is scheduled to be on site and operational by early next week. This water treatment plant will consist of 4 water storage tanks (1 weir tank, 2 storage tanks, and 1 clean tank) and sand, 5 micron bag filters, and carbon filters. One set of samples will be collected and sent to an analytical laboratory for VOCs and SVOCs after an initial tank of water is treated (approximate 18-20 thousand gallons).

In order to pump groundwater from CS-B Pangea will construct a French drain system at the base of CS-B. Plans for this French drain system were submitted to USEPA for review and were approved on May 15, 2008.

Project Clarifications or Changes

None.

Work Anticipated Next Reporting Period

During the next reporting period the water treatment plant for the groundwater will be installed and pumping and treatment of groundwater will begin. If the analytical results for the sample collected show no contamination the water treatment system will pump and treat continuously. The installation of the French drain system is scheduled for the week of May 27. Installation of rip rap will continue during the next reporting period and following its completion site grading will begin. The liner crew will be back as soon as site conditions permit.

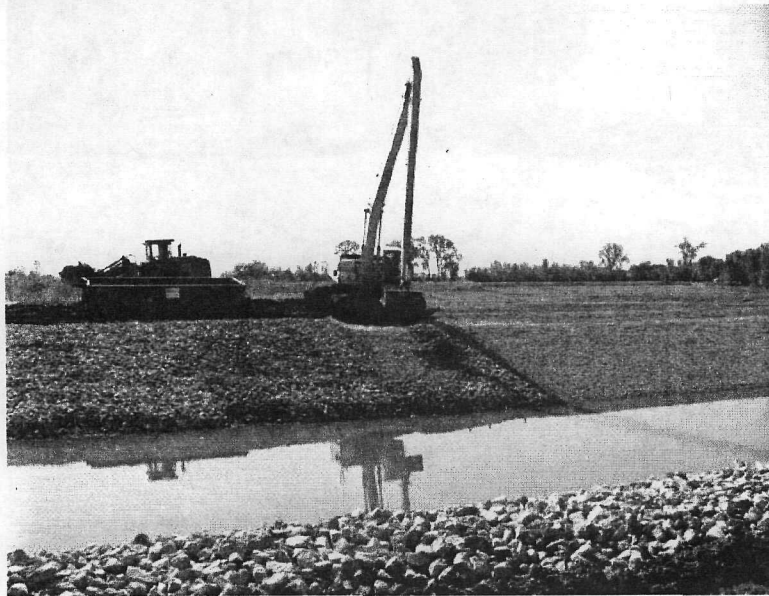
Liner Installation Project Status

The CS-B liner project was originally anticipated to be approximately 4 months in duration with activities concluding in late December. The major activities and their current status are shown below:

- Installation of geotextile fabric and HDPE Liner (approximately 85% complete)
- Placement of bedding stone over liner (approximately 80% complete)
- Placement of articulating concrete blocks (approximately 80% complete)
- Placement of rip rap (approximately 65% complete)
- Site restoration activities including fencing and seeding will begin as soon as riprap placement and ACB mat installation is completed.

The installation of the remaining segment of the liner and geotextile are dependent on site conditions and will recommence as soon as there is an opportunity.

Photos from Reporting Period:



Pangea placing rip-rap above water line.



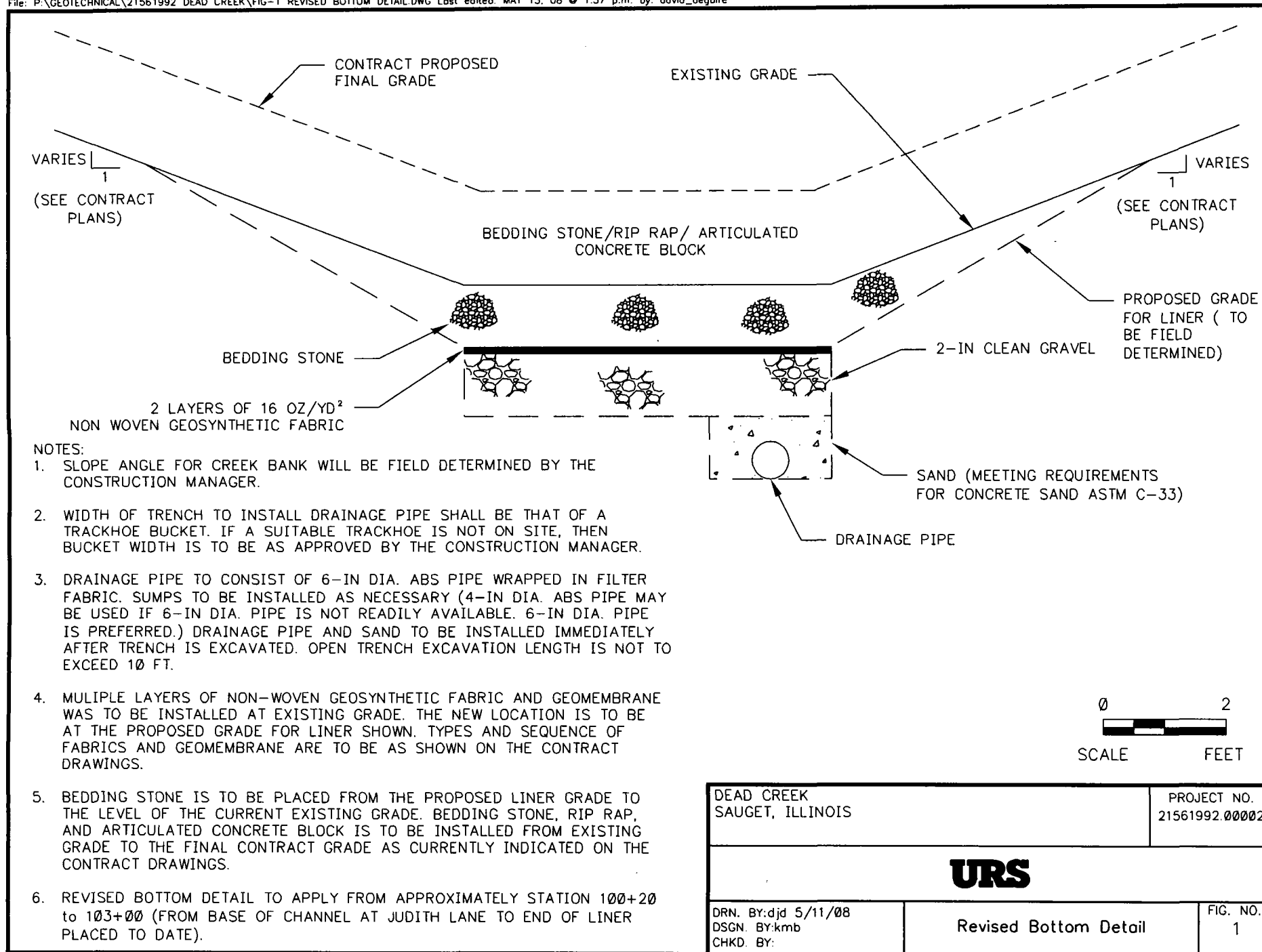
South view of dam created to contain groundwater. Stormwater on the upstream (nearside) and groundwater on the downstream (far side) of the dam.



Slumping observed on the toe of the eastern slope of CS-B.



South view of CS-B.



DEAD CREEK
SAUGET, ILLINOIS

PROJECT NO.
21561992.00002

URS

DRN. BY:djd 5/11/08
DSGN. BY:kmb
CHKD. BY:

Revised Bottom Detail

FIG. NO.
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